

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: MAOR=2

In re Application of:) Conf. No.: 8228
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Zeev MAOR) Art Unit: 1617
))
Appln. No.: 09/582,522) Examiner: G. C. Yu
))
Filed: August 24, 2000) Washington, D.C.
))
For: A GEL COMPOSITION FOR)
 SKIN CARE AND PROTECTION)
 AND A METHOD FOR...)

DECLARATION #4 UNDER 37 CFR § 1.132 OF SHLOMO MAGDASSI

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building, Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

I, Shlomo Magdassi of 36 Hanered Street, Jerusalem,
Israel, an Israeli citizen, declare and state as follows:

I am a Professor at the Hebrew University in
Jerusalem.

My *Curriculum Vitae* was previously submitted in
connection with my first declaration filed November 26, 2003.

I am one of the inventors of the above identified
application.

I have been informed that the examiner has
interpreted my declaration #2 filed July 6, 2004, as opining

that the problem of precipitation was due to the addition of hydrophobic agent to Dead Sea water. It is further my understanding that the examiner has taken the position that it is well known that nonionic solubilizers have been used for the purpose of making clear gels that contain lipophilic active agents.

A number of experiments have been conducted by me or under my direct supervision so as to provide physical evidence proving that these statements of the examiner are not accurate and that the results of the present invention would not have been predictable from any reading of the prior art cited by the examiner. These will be discussed in detail below.

Submitted herewith is a spreadsheet showing the parameters and results for all of the experiments that were set forth in my declarations #1 and #2, as well in the present declaration #4. Each of the experiments in the tables of declarations #1 and #2 is given an example number and its own line in the attached spreadsheet. The example numbers are listed consecutively for all of the declarations for ease of reference. Thus, in the attached spreadsheet, Examples 1-70 were in declaration #1 (filed November 26, 2003), Examples 71-160 were in declaration #2 (filed July 6, 2004), and Examples 161-201 are new to the present declaration. Photographs of vials containing the resulting solutions or gels are also

submitted herewith and are cross-referenced to the spreadsheet.

The new experiments of this declaration #4 have been conducted by me or under my direct supervision, varying the parameters of the present invention and, in some cases, attempting to replicate the data in the prior art. In some of these experiments, no gelling agent is used so solutions are obtained rather than gels. However, if a solution is turbid, it is less likely that a corresponding gel would be clear.

First of all, as to the examiner's statement that my previous declarations stated that the problem of precipitation was due to the addition of hydrophobic agent to Dead Sea water, this was not the message that I had intended to convey in my previous declarations. It can be seen from declaration #1, for example, that experiments 1-40 were conducted without any hydrophobic agent at all, and yet when Dead Sea water is used with an anionic surfactant, a precipitate was always obtained (note, experiments 2-5, 7-10, 12-15 and 17-20). On the other hand, when the same amounts of Dead Sea water are present, but using a nonionic surfactant transparent solutions are yielded (see experiments 22-40). Similar results can be seen by comparing experiments 162-164 with experiments 176-178. It is true that the addition of hydrophobic agent exacerbates the problem of obtaining a clear solution or gel,

but no fair reading of my first and second declarations, particularly when taking into consideration the experiments added in the present fourth declaration and my statements herein, would lead to the conclusion that the problem being solved by the present invention was how to add hydrophobic agent to Dead Sea water and maintain a clear gel. The problem is also how to get a clear gel using the extremely high salt concentrations of Dead Sea water even without hydrophobic agent and also how to do so when the problem is exacerbated by the further addition of hydrophobic agent.

As to the examiner's statement that it is well known that nonionic solublizers have been used for the purpose of making clear gels that contain lipophilic active agents, the examiner's attention is invited to the comparisons of experiments 172 and 200 with 201. It can be seen that when using normal sea water, the gel is clear whether a cationic surfactant is used or an nonionic surfactant. The fact that Flick discloses that a formulation with a hydrophobic agent and a nonionic solublizer is clear does not teach those of ordinary skill in the art that the same formulation with an ionic solublizer would not have been clear. That is not a conclusion that can be drawn from Flick, in my opinion, and the comparative experiments 200 and 201 support this conclusion.

That the problem is unique to Dead Sea water and its extremely high salt concentration is evident not only from the results of declaration #1, discussed above, but also from the experiments presented for the first time with this declaration #4. First, attempts were made to repeat Example 1 of the Malençon reference. However, we found that it was impossible to obtain a clear, i.e., substantially transparent, gel as sodium alginate will always cause precipitation of sea water as well as Dead Sea water (see experiments 193 and 198). Thus, it is impossible to obtain a clear gel using the technique of Malençon. It should be noted that this is not necessarily contradictory to the results of Malençon, as Malençon states that the product is "practically colorless." The word "colorless" does not necessarily mean that it is transparent or clear. It means only that it has no color. It could still be turbid.

In order to allow better comparisons, 0.4% Natrasol (hydroxyethyl cellulose) was substituted as the gelling agent and comparisons were made substituting various concentrations of Dead Sea water for the filtered sea water of Malençon. First of all, it can be seen from experiments 161-164 that there is no problem in getting a clear solution of sea water with 6% benzalkonium chloride (BC) as the surfactant (experiment 161). BC is a cationic surfactant. On the other

hand, one obtained only a semi-transparent solution at 30% Dead Sea water (experiment 162) and turbid solutions using 50% and 80% Dead Sea water (experiments 163 and 164). Even when a hydrophobic agent is added to the sea water and BC surfactant, the solution remains clear (experiments 165 and 166) while the same experiment with 75% Dead Sea water yields a turbid solution. One also obtains a turbid solution using 50% Dead Sea water (experiment 171).

Similarly, when using Natrasol as a gelling agent, the gel is clear using a cationic surfactant with normal sea water (experiment 172), while the gel is turbid when 50% or 75% Dead Sea water is used (experiments 173 and 174).

On the other hand, when a nonionic surfactant is substituted, in the absence of gelling agent or hydrophobic agent, the solutions are clear even when up to 80% Dead Sea water is used (see experiments 175-178). The solutions remain clear even when hydrophobic agent is added (see experiments 179-181). When Natrasol is added as a gelling agent, the gel is also clear using 50% and 80% Dead Sea water (see experiments 182-183).

For direct comparison of Dead Sea water using nonionic surfactant as compared to cationic surfactant, compare experiments 184 and 185, experiments 186 and 187,

experiments 188 and 189, and then experiments 190 and 191.

Also compare experiments 194 and 195, and 196 and 197.

Note that Natrasol is Natrasol HHBR (hydroxy ethyl cellulose). In the surfactant column the letter in parenthesis following the amount and identity of the surfactant is the kind of surfactant that it is, A being anionic, C being cationic and N being nonionic. As stated in my declaration #1, many of the results were analyzed in a turbidimeter, with the turbidity quantified in units of NTU (Standard turbidity units), wherein a substantially clear composition was considered a composition having a NTU below 100.

Accordingly, from the 201 experiments reported in my declarations #1, #2 and #4, and the additional experiments reported in my declaration #3, it can be seen that the references of record would not make it obvious to one of ordinary skill in the art that the problem of avoiding turbidity when forming a gel with Dead Sea water, with or without the presence of hydrophobic agent, could be solved by the use of nonionic surfactant.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge

that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

6-July-08

Date

/Shlomo Magdassi/

Shlomo Magdassi

EX. NO.	PHOTO X-REF	WATER	SURFACTANT	GELLING AGENT	HYDROPHOBIC AGENT	GEL/SOLUTION	CLARITY	NTU
DECLARATION #1								
1		water	1.0% SDS (A)			0	0	
2		10% DS	1.0% SDS (A)			0	0	
3		20% DS	1.0% SDS (A)			0	0	
4		30% DS	1.0% SDS (A)			0	0	
5		Sat. DS	1.0% SDS (A)			0	0	
6		water	3.0% SDS (A)			0	0	
7		10% DS	3.0% SDS (A)			0	0	
8		20% DS	3.0% SDS (A)			0	0	
9		30% DS	3.0% SDS (A)			0	0	
10		Sat. DS	3.0% SDS (A)			0	0	
11		water	1.0% Cetri Cl (C)			0	0	
12		10% DS	1.0% Cetri Cl (C)			0	0	
13		20% DS	1.0% Cetri Cl (C)			0	0	
14		30% DS	1.0% Cetri Cl (C)			0	0	
15		Sat. DS	1.0% Cetri Cl (C)			0	0	
16		water	5.0% Cetri Cl (C)			0	0	
17		10% DS	5.0% Cetri Cl (C)			0	0	
18		20% DS	5.0% Cetri Cl (C)			0	0	
19		30% DS	5.0% Cetri Cl (C)			0	0	
20		Sat. DS	5.0% Cetri Cl (C)			0	0	
21		water	1% Tween20 (N)			0	0	
22		10% DS	1% Tween20 (N)			0	0	
23		20% DS	1% Tween20 (N)			0	0	
24		30% DS	1% Tween20 (N)			0	0	
25		Sat. DS	1% Tween20 (N)			0	0	
26		water	5% Tween20 (N)			0	0	
27		10% DS	5% Tween20 (N)			0	0	
28		20% DS	5% Tween20 (N)			0	0	
29		30% DS	5% Tween20 (N)			0	0	
30		Sat. DS	5% Tween20 (N)			0	0	
31		water	1% Tween80 (N)			0	0	
32		10% DS	1% Tween80 (N)			0	0	
33		20% DS	1% Tween80 (N)			0	0	

DECLARATION #2

	Sat. DS	5% Tween80 (N)	0	0.8% vitamin E acetate	solution	turbid	105
71	water	3% Arlalone 650 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	22
72	10% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	32
73	20% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	33
74	30% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	30
75	Sat. DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	34
76	water	3% Arlalone 650 (N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	23
77	10% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	34
78	20% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	36
79	30% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	40
80	Sat. DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	42
81	water	3% Arlalone 650 (N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	25
82	10% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	33
83	20% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	40
84	30% DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	44
85	Sat. DS	3% Arlalone 650 (N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	48
86	water	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	9
87	10% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	11
88	20% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	17
89	30% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	16
90	Sat. DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	6
91	water	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	16
92	10% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	17
93	20% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	16
94	30% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	14
95	Sat. DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel	clear	14
96	water	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	30
97	10% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	24
98	20% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	24
99	30% DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	26
100	Sat. DS	1.5% A650+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel	clear	22
101	water	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	10
102	10% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	18
103	20% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel	clear	18

104	30% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
105	Sat. DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
106	water	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
107	10% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
108	20% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
109	30% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
110	Sat. DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
111	water	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
112	10% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
113	20% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
114	30% DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
115	Sat. DS	1.5% A650+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
116	water	3% Arlalone 975 (N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
117	10% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
118	20% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
119	30% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
120	Sat. DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
121	water	3% Arlalone 975 (N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
122	10% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
123	20% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
124	30% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
125	Sat. DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
126	water	3% Arlalone 975 (N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
127	10% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
128	20% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
129	30% DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
130	Sat. DS	3% Arlalone 975 (N)	OH-ethylcellulose	0.8% vitamin E acetate	clear
131	water	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
132	10% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
133	20% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
134	30% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
135	Sat. DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.4% vitamin E acetate	clear
136	water	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
137	10% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
138	20% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear
139	30% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	clear

1140	Sat. DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1141	water	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1142	10% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1143	20% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1144	30% DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1145	Sat. DS	1.5% A975+1.5% T20(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1146	water	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
1147	10% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
1148	20% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
1149	30% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
1150	Sat. DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.4% vitamin E acetate	gel
1151	water	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1152	10% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1153	20% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1154	30% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1155	Sat. DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.6% vitamin E acetate	gel
1156	water	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1157	10% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1158	20% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1159	30% DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1160	Sat. DS	1.5% A975+1.5% T80(N)	OH-ethylcellulose	0.8% vitamin E acetate	gel
1161	F1222 Photo 1A	sea	6% BC (C)	0	clear
1162	F1221 Photo 1B	30% DS	6% BC (C)	0	semi-trans.
1163	F130 Photo 1C	50% DS	6% BC (C)	0	turbid
1164	F123 Photo 1D	80% DS	6% BC (C)	0	turbid
1165	F135 Photo 2A	93.35% sea	6.25% BC (C)	0	clear
1166	F136 Photo 2B	93.35% sea	6.25% BC (C)	0	turbid
1167	F137 Photo 2C	90.55% sea	6.25% BC (C)	?	turbid
1168	F138 Photo 2D	90.35% sea	6.25% BC (C)	?	turbid
1169	F116 Photo 3A	75% DS	6.25% BC (C)	0	turbid
1170	F118 Photo 3B	75% DS	6.25% BC (C)	0	turbid
1171	F141 Photo 3C	50% DS	6.25% BC (C)	0.2% vitamin E acetate	turbid
1172	F145 Photo 4A	93.15% sea	6.25% BC (C)	0.2% vitamin E acetate	clear
1173	F142 Photo 4B	50% DS	6.25% BC (C)	0.2% vitamin E acetate	turbid

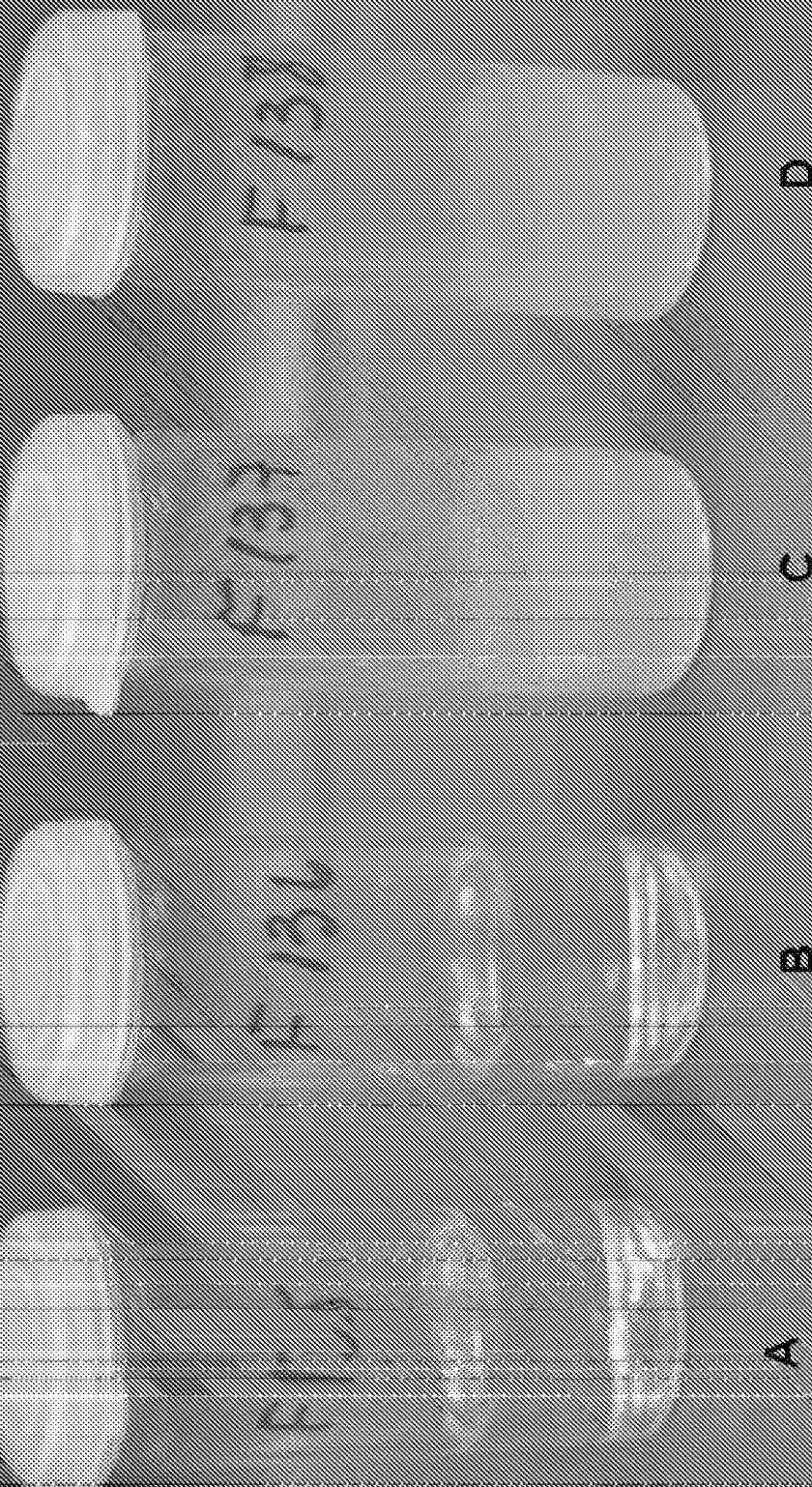
DECLARATION #4

174	F129 Photo 4C	75% DS sea	6.25% BC (C) 6% Tween 20 (N)	0.4% Natrasol 0	0.2% vitamin E acetate 0	solution solution
175		30% DS	6% Tween 20 (N)	0	0	solution
176		50% DS	6% Tween 20 (N)	0	0	solution
177		80% DS	6% Tween 20 (N)	0	0	solution
178	F115 Photo 5A	80% DS	6% Tween 20 (N)	0	0.2% vitamin E acetate 0.2% vitamin E acetate	solution solution
179	F117 Photo 5B	80% DS	6% Tween 20 (N)	0	0.4% vitamin E acetate 0.4% vitamin E acetate	solution solution
180	F143 Photo 5C	50% DS	6% Tween 20 (N)	0	0.2% vitamin E acetate 0.2% vitamin E acetate	solution solution
181	F144 Photo 6A	50% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	gel gel
182	F128 Photo 6B	80% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	gel gel
183	F115 Photo 7A	80% DS	6% Tween 20 (N)	0	0.2% vitamin E acetate 0.2% vitamin E acetate	solution solution
184	F117 Photo 7A	75% DS	6.25% BC (C)	0	0.2% vitamin E acetate 0.2% vitamin E acetate	turbid turbid
185	F116 Photo 7B	80% DS	6% Tween 20 (N)	0	0.4% vitamin E acetate 0.4% vitamin E acetate	solution solution
186	F118 Photo 7B	75% DS	6.25% BC (C)	0	0.4% vitamin E acetate 0.4% vitamin E acetate	turbid turbid
187	F128 Photo 8.8A	80% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	clear clear
188	F129 Photo 8.8A	75% DS	6.25% BC (C)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	turbid turbid
189	F144 Photo 9	50% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	clear clear
190	F142 Photo 9	50% DS	6.25% BC (C)	0.4% Na alginate 1% castor oil	0.2% vitamin E acetate 1% castor oil	turbid turbid
191	F147	sea	0.05% BC (C)	4% Na alginate 4% Na alginate	gel gel	overscale overscale
192	F148	sea	0.05% BC (C)	0.4% Na alginate 0.4% Na alginate	gel gel	718
193	F149	80% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	relatively clear turbid
194	F150	75% DS	6.25% BC (C)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	97 1200; 920
195	F151	50% DS	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	relatively clear turbid
196	F152	50% DS	6.25% BC (C)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	94 800; 363
197	F153	sea	0.1% BC (C)	6% Na alginate 6% Na alginate	gel gel	turbid turbid
198	F154	sea	0.1% BC (C)	6% Na alginate 6% Na alginate	1% castor oil 1% castor oil	overscale overscale
199	F155	93.4% sea	6% Tween 20 (N)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	22 45
200	F156	93.15% sea	6.25% BC (C)	0.4% Natrasol 0.4% Natrasol	0.2% vitamin E acetate 0.2% vitamin E acetate	clear clear
201						

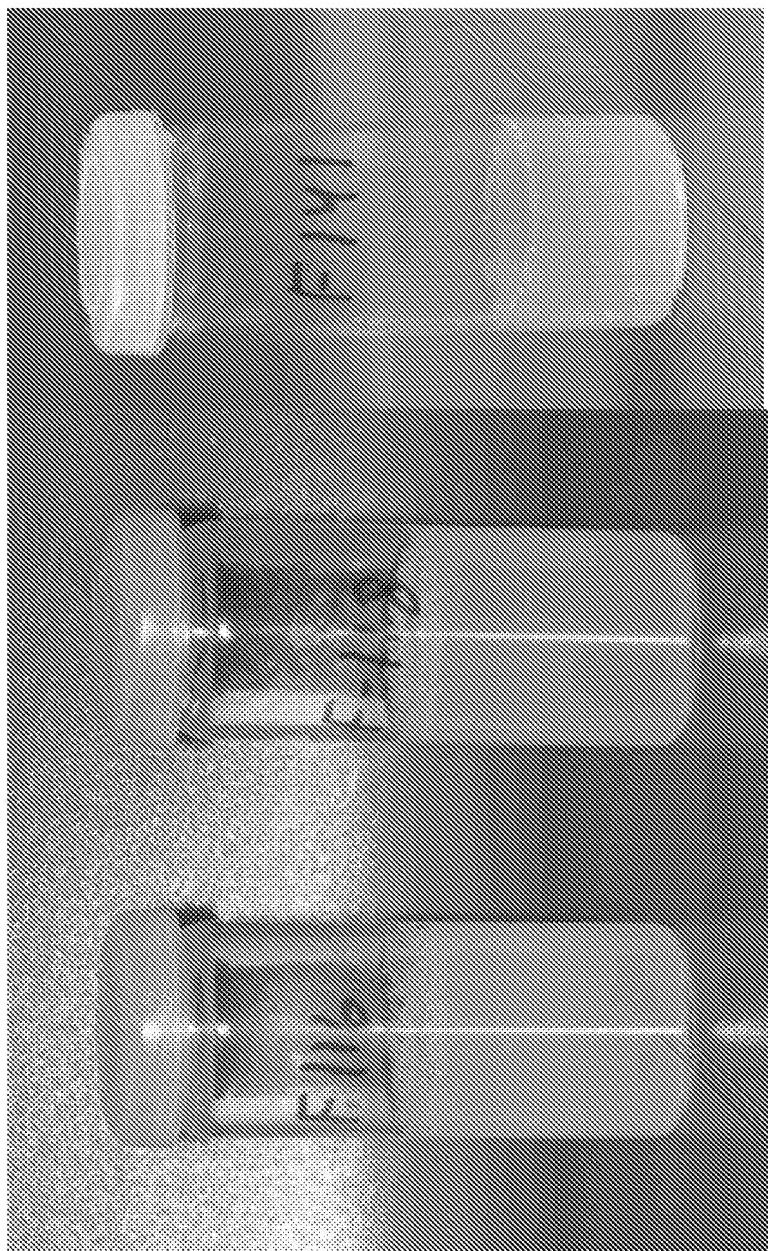
Proteoglycan



Prolog:aph 2



Photograph 3

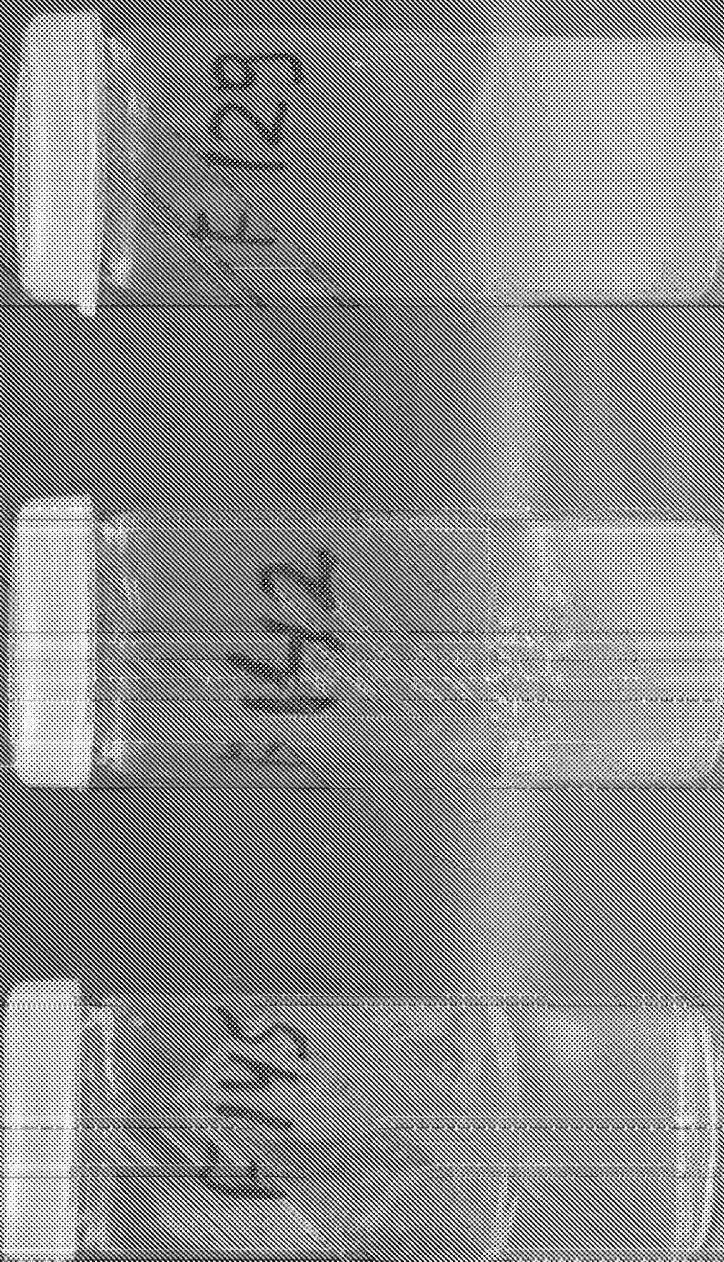


A

B

C

Probability

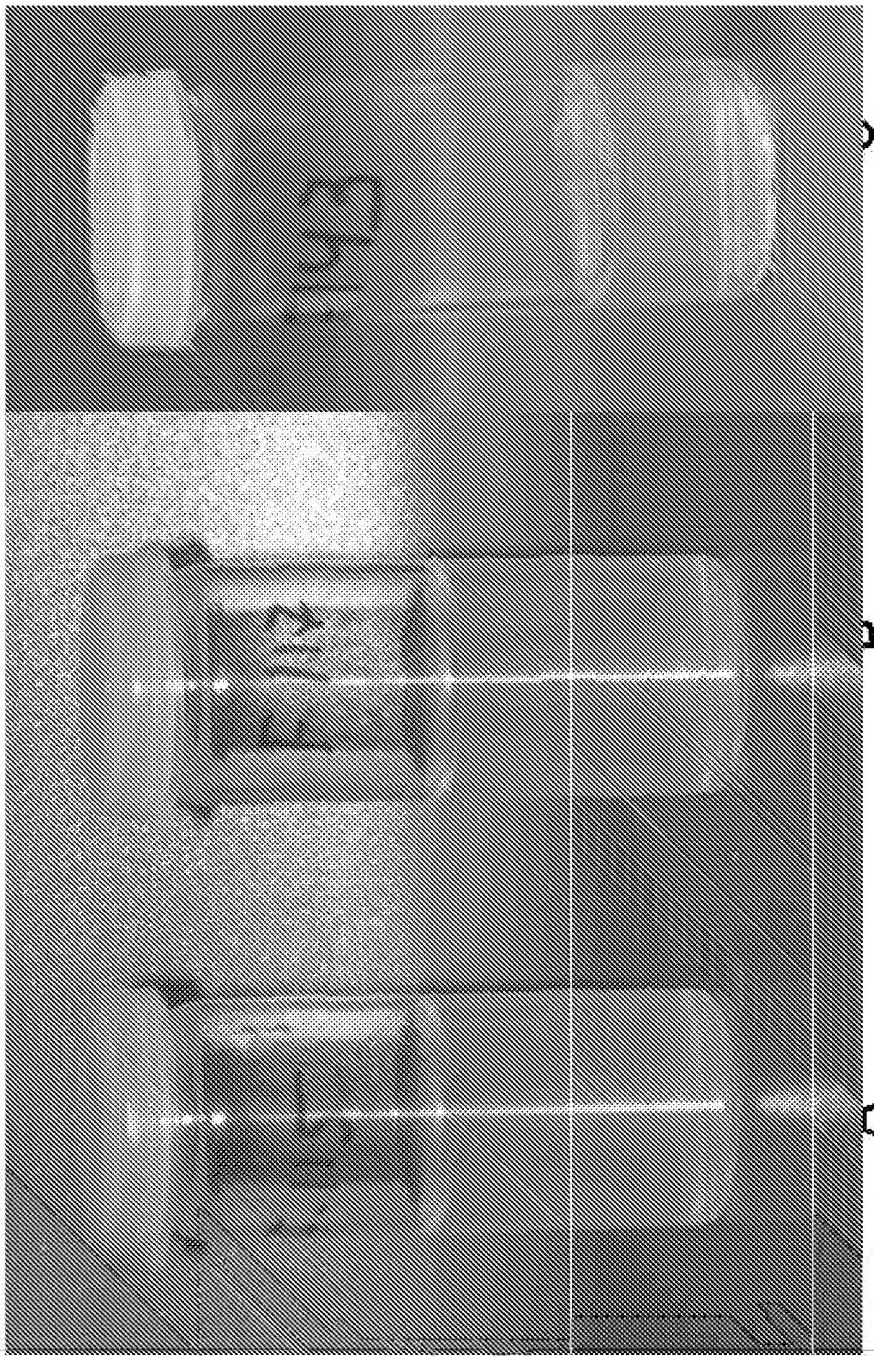


C

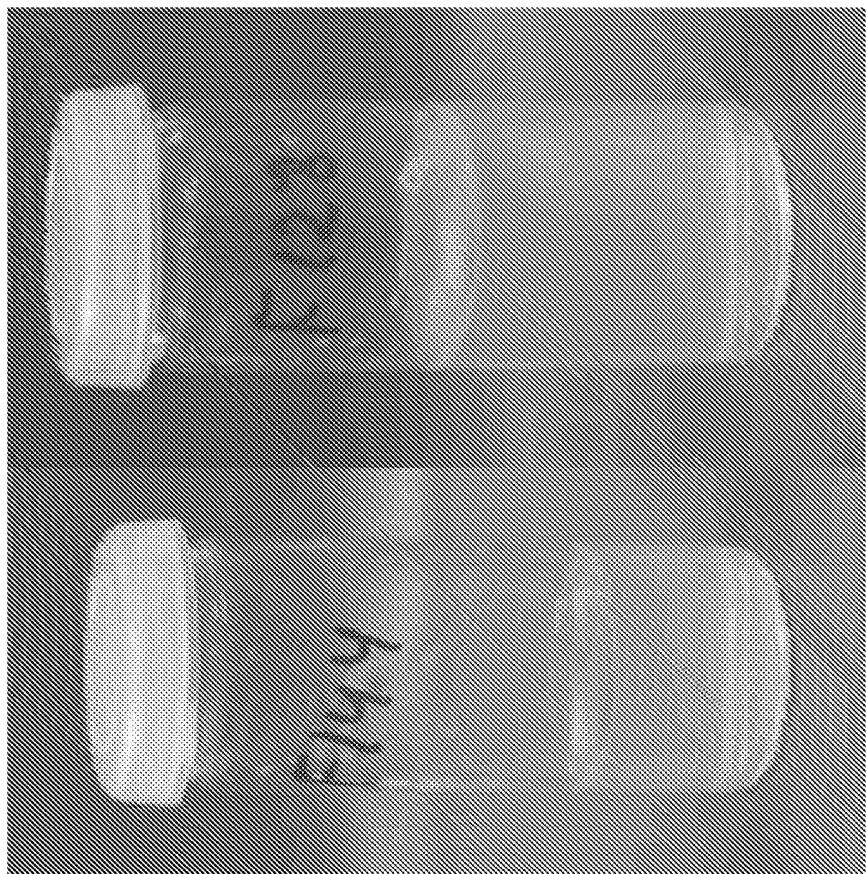
B

A

Photograph 5



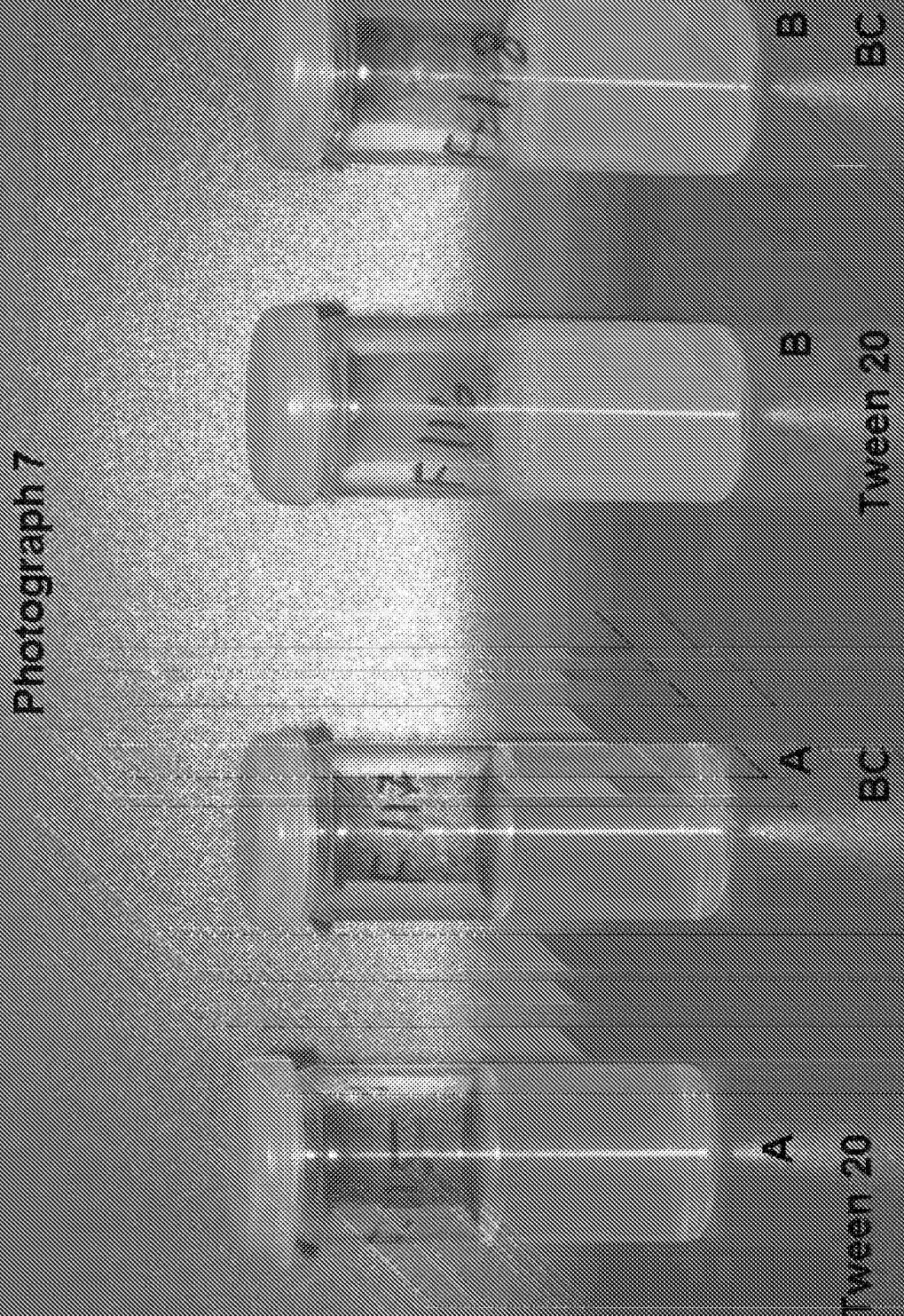
Photograph 6



A

B

Photograph 7

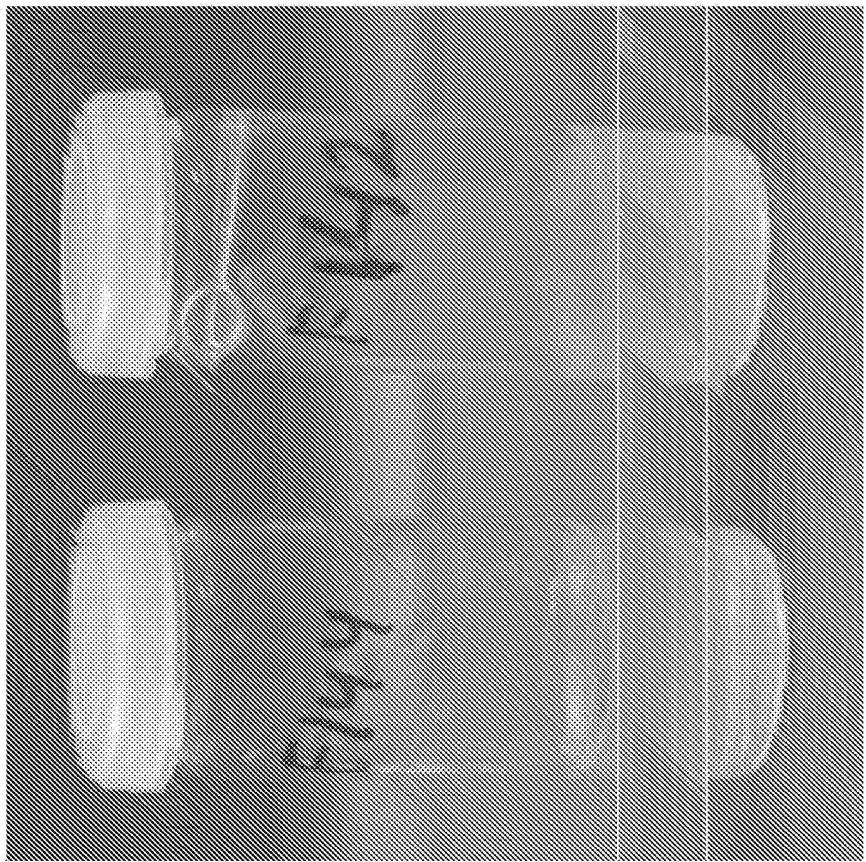


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Tween 20

EC

Photograph 9



Photograph 3A

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and in some cases (e.g. *Festuca*, *Zizaniopsis*) the culm is longer than the panicle.

THE USE OF SURVEY DATA IN THE ANALYSIS OF POLITICAL PARTIES

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